

Name: O'Hara Property Municipal Landfill
LOG #: 94-2083

US EPA RECORDS CENTER REGION 5



513313

7.6
2/8/94

ATSDR Record of Activity

ROUTING:

E. Skowronski
TSS FILE

UID #: KEO1 Date: 2/8/94 Time: ___ am ___ pm

Site Name: O'Hara Property Municipal Landfill City: St. Charles
Cnty: Kane State: IL

CERCLIS #: _____ Cost Recovery #: 5#IL Region: 5

Site Status: (1) ___ NPL ☒ Non-NPL ___ RCRA ___ Non-Site specific ___ Federal
(2) ___ Emergency Response ___ Remedial ___ Other:

Activities

☐ Incoming Call ☐ Public Meeting ☒ Health Consult ☐ Site Visit
☐ Outgoing Call ☐ Other Meeting ☐ Health Referral ☐ Info Provided
☐ Conference Call ☐ Data Review ☐ Written Response ☐ Training
☐ Incoming Mail ☐ Other

Requestor and Affiliation: (1) _____

Phone: _____ Address: _____
City: _____ State: IL Zip Code: _____

Contacts and Affiliation

(31) Robert Williams () _____
() _____ () _____

1-EPA	2-USCG	3-OTHER FED	4-STATE ENV	5-STATE HLT	6-COUNTY HLT
7-CITY HLTH	8-HOSPITAL	9-LAW ENFORCE	10-FIRE DEPT	11-POISON CTR	
12-PRIV CITE	13-OTHER	14-UNKNOWN	15-DOD	16-DOE	
17-NOAA	18-OTHER STATE	19-OTHER CNTY	20-OTHER CITY	21-INTL	
22-CITZ GROUP	23-ELECT. OFF	24-PRIV. CO	25-NEWS MEDIA	26-ARMY	
27-NAVY	28-AIR FORCE	29-DEF LOG AGCY	30-NRC	31-ATSDR	

Program Areas

☐ Health Assessment ☐ Health Studies ☐ Tox Info-profile
☐ Worker Hlth ☐ Petition Assessment ☐ Health Surveillnc
☐ Tox Info-Nonprofil ☐ Admin ☐ Emergency Response
☐ Disease Registry ☐ Subst-Spec Resch ☐ Other
☒ Health Consultation ☐ Exposure Registry ☐ Health Education

Narrative Summary:

The O'Hara Property Municipal Landfill is located in St. Charles, Illinois, in Kane County. The EPA - Region 5 asked ATSDR to review environmental contamination data for the site and assess its public health implications. The data provided for review were for samples collected by a contractor (Robert Anderson and Associates) on February 22, 1991.

The former landfill occupies approximately three acres. The land surrounding the landfill is used for private residences and public facilities (i.e.; Langum Park, St. Charles Public Works Center). Some of the houses in the area reportedly have private wells, but no

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analytical data were provided. Seventh Avenue Creek flows along the eastern border of the landfill.

Sediment samples (3) from the Seventh Avenue Creek contained polyaromatic hydrocarbons (PAH) at a maximum concentration of 12.3 mg/kg; however, this was less than the PAH concentration detected in a background creek sediment sample. The stream sometimes dries up, so it is unlikely that it supports an edible fish population.

A "soil" sample that was "collected from under the spilled, solidified waste" from a drum contained elevated concentrations of xylene (240 mg/kg), ethyl benzene (21 mg/kg), and di-n-butyl phthalate (66 mg/kg). Two other soil samples did not contain any significant contamination.

Three "solid samples" were collected near drums. Maximum concentrations of contaminants detected in these samples included polychlorinated biphenyls (PCBs) (25 mg/kg), di-n-butylphthalate (28 mg/kg), xylene (24.3 mg/kg), 2-butanone (32 mg/kg), and other volatile organic chemicals.

Conclusions:

(1) Under realistic exposure scenarios, the concentrations of PAHs in creek sediment samples do not pose a public health hazard.

(2) These data document the presence of elevated concentrations of environmental contaminants in "soil" and "solid samples" at the site. In particular, elevated concentrations of PCBs were detected in some samples. Long-term contact with the areas of PCB contamination could pose a public health hazard.

(3) Only a small number of biased samples were collected and analyzed. These limited data are not adequate to accurately assess the public health hazard posed by the site.

Recommendations:

(1) Conduct a more comprehensive characterization of environmental contamination in order to better assess its potential health impact.

(2) Conduct a well survey in the area surrounding the landfill. Monitor wells that are at risk of being contaminated by the off-site migration of contaminated groundwater.

Signature: Kenneth G. Orloff, Ph.D., DABT *K. G. Orloff* Date: 2/22/94

Concurrence: *[Signature]* Date: 2/22/94

Enclosures: Yes () No (x); MIS entered: Yes () No ()

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cc: E. Skowronski
ATSDR Region 5
RIMB